Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

AEE, YSTSD

No. 2nd & Part bill (Final)

Date: 20

SBR No: 69/21-22

Division: Yelahanka. Sub Division: Yelahanka

YNK-DBR No.....
Date.....Dated.....

Bill Received No..... Cash Book Voucher No..... dated Date: 15/9/2021

Scheduled Docket No.....

Name of Work: Improvements to roads and Drains at Viswanagara in ward no-03 of Yelahanka Satellite Town Sub Division

Job Code No: 003-21-000033 **Est. cost: 100.00 lakhs**

Name of Contractor and Full Address : Sri Sridhar. Y. R, Bangalore.

Work Order No: **BBMP/EE/YNK.D/EPMT-5/W.O/179/2020-21,** **Dated : 18-12-2020**

Certified that the measurements were taken by me on 30/8/2021 and recorded in pages 493232 to 493232/2 of measurement Book No 4933/2019-20 and that the work is satisfactorily executed

Officer-in-charge of work 30/8/2021

Contractor

Certified that the measurements were taken by me on 30/08/2021 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Total- 1,01,69,106=00

30/08/2021

If Memorandum of Payment Previous 69,92,408=00

Sub-Division Officer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being ..... percent Rs .....
3) Deduct amount to be held in Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated .....S.D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No.....
   date .....less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Governme... materials supplied

Gross Amt =Rs	31,76,698=00
FSD =Rs	—
CGST = Rs	28364=00
SGST = Rs	28364=00
IT	31767=00
LC	31767=00
CBF = Rs	3177=00
Royalty =Rs	125252=00
T.D. = Rs	2,48,691=00
Net Amt=Rs	29,28,007=00

Contractor's Signature

Received Rs ..... (in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

Dated..... Signature of Contractor

(For use in the Office)

Audited & Admitted for Rs. 31,76,698=00
Thirty one lakh Seventy Six Hund Se hundred & Ninety eight
29,28,007=00 by Cheque
and Rs. 2,48,691=00 by adjustment

Paid by me by cheque No..... Dated.....

Cash Rs..... Dated.....

Accts. Supdt.
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

Initials of Officer Making Payment

Executive Engineer

Name of Work: Improvements to roads and Drains at Viswanagara in ward no-03 of Yelahanka Satellite Town Sub Divisio

ABSTRACT

Sl No	Description of Work	Unit	Modified Schedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications	Cum	292.55	225.38	65934.00	292.45	65912.00	0.00	225.38	0.00	292.45	65912.00
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. a) 40mm Jelly	cum	0.00	1990.16	0.00	0.00	0.00	0.00	1990.16	0.00	0.00	0.00
3	b) 20mm Jelly	cum	0.00	1990.16	0.00	0.00	0.00	0.00	1990.16	0.00	0.00	0.00
4	c) Coarse sand.	cum	0.00	2775.33	0.00	0.00	0.00	0.00	2775.33	0.00	0.00	0.00
5	d) Fine Sand	cum	0.00	2775.33	0.00	0.00	0.00	0.00	2775.33	0.00	0.00	0.00
6	e) 12.5mm chips	cum	0.00	1990.16	0.00	0.00	0.00	0.00	1990.16	0.00	0.00	0.00
7	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings	Rmt	0.00	11329.89	0.00	0.00	0.00	0.00	11329.89	0.00	0.00	0.00
8	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings or as approved by Engineer Incharge	Sqm	0.00	74.36	0.00	0.00	0.00	0.00	74.36	0.00	0.00	0.00
9	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications	Cum	223.58	5676.19	1269059.00	223.51	1268708.00	0.00	5676.19	0.00	223.51	126870800
10	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications	Cum	93.08	7401.79	688978.00	93.05	688744.00	0.00	7401.79	0.00	93.05	68874410

Sl No	Description of Work	Unit	Modified Schedule -B			Previous measurement		Present Measurement			Up to date	
11	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Tn	5.58	69840.96	390059.00	5.58	389927.00	0.00	69840.96	0.00	5.58	389927.00
12	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc.	Sqm	265.95	2446.61	650676.00	265.86	650456.00	0.00	2446.61	0.00	265.86	650456.00
13	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.	Sqm	0.00	5672.10	0.00	0.00	0.00	0.00	5672.10	0.00	0.00	0.00
14	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading	Cum	316.80	66.94	21207.00	0.00	0.00	316.76	66.94	21204.00	316.76	21204.00
15	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM complete as per specifications.	Cum	0.00	43.28	0.00	0.00	0.00	0.00	43.28	0.00	0.00	0.00
16	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	237.60	2088.48	496223.00	0.00	0.00	237.57	2088.48	496158.00	237.57	496158.00
17	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	364.32	2095.14	763302.00	0.00	0.00	364.27	2095.14	763202.00	364.27	763202.00
18	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	1584.00	31.07	49215.00	0.00	0.00	1583.79	31.07	49209.00	1583.79	49209.00

Sl No	Description of Work	Unit	Modified Schedule -B			Previous measurement		Present Measurement			Up date	
19	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications	Sqm	1221.00	5.55	6777.00	0.00	0.00	1220.89	5.55	6776.00	1220.89	6776.00
20	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	2805.00	13.32	37363.00	0.00	0.00	2804.69	13.32	37359.00	2804.69	37359.00
21	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	79.20	6708.22	531292.00	0.00	0.00	79.19	6708.22	531222.00	79.19	531222.00
22	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	112.20	7891.18	885391.00	0.00	0.00	112.19	7891.18	885291.00	112.19	885291.00
23	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	82.50	476.07	39276.00	0.00	0.00	71.89	476.07	34224.00	71.89	34224.00
24	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.	Cum	392.25	1019.07	399733.00	392.00	399479.00	0.00	1019.07	0.00	392.00	399479.00

Sl No	Description of Work	Unit	Modified Schedule -B			Previous measurement		Present Measurement			Up date	
25	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished	Cum	316.05	5455.35	1724142.00	315.70	1722232.00	0.00	5455.35	0.00	315.70	172223200
	EIRL											
E1	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour,	Cum	147.48	5408.12	797606.00	147.22	796176.00	0.00	5408.12	0.00	147.22	79617600
E2	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift,	NOS	766.00	432.48	331280.00	766.00	331280.00	0.00	432.48	0.00	766.00	33128000
E3	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No.	Sqm	137.88	84.80	11693.00	0.00	0.00	137.88	84.80	11693.00	137.88	1169300
	Total				9159206.00		6312914.00			2836338.00		914925200
	GST 12%				1021023.60		679494.96			340360.56		101985552
	Grand Total				10181828.00		6992408.96			3176698.56		1016910752

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

10169106

NEWZEN CONSULTANT Consultant Bangalore

Assistant Engineer

30/8/2021